

**REMARKS**

Claims 1-8, 10, 30-33, 35, 44, 65, 68, 70-72 and 74-93 are pending in this application. By this Amendment, claims 1, 30, 74 and 84 are amended. Support for the amendments can be found, for example, in Fig. 2 and on page 30, line 11 - page 31, line 15; page 32, lines 8-15; page 43, line 24 - page 44, line 24 of the specification. No new matter is added. Reconsideration and prompt allowance of the pending claims are respectfully requested in light of the following Remarks.

**I. Information Disclosure Statement**

An Information Disclosure Statement with Form PTO-1449 is being filed concurrently with this Amendment. The Examiner is requested to initial and return to the undersigned a copy of the Form PTO-1449.

**II. The Claims Define Patentable Subject Matter**

The Office Action rejects claims 1-8, 10, 30-33, 35, 44, 65, 68, 70-72 and 74-83 under 35 U.S.C. §103(a) over U.S. Patent No. 5,063,582 to Mori et al. ("Mori") in view of U.S. Patent No. 4,509,852 to Tabarelli et al. ("Tabarelli") and U.S. Patent Application Publication No. 2004/0136494 to Lof et al. ("Lof"); and rejects claims 84-93 under 35 U.S.C. §103(a) over Lof in view of Mori and Tabarelli. The rejections are respectfully traversed.

Mori, Lof and Tabarelli, either alone or in combination, would not have rendered obvious "a flow-passage forming member having a supply inlet from which the liquid is supplied, the flow-passage forming member having a liquid recovery outlet in a lower surface thereof, an upper surface of the substrate facing the lower surface of the flow-passage forming member during an exposure, and the liquid supplied from the supply inlet covering only a portion of the upper surface of the substrate during the exposure; a temperature sensor provided at the flow-passage forming member," as recited in independent claims 1 and 84 and similarly recited in independent claim 30.

None of Mori, Lof and Tabarelli disclose a component corresponding to the flow-passage forming member of claims 1, 30 and 84. Furthermore, without a component corresponding to the flow-passage forming member of claims 1, 30 and 84, the references also fail to disclose providing a temperature sensor at the flow-passage forming member. Therefore, independent claims 1, 30 and 84 are patentable over the references.

Mori, Lof and Tabarelli, either alone or in combination, would not have rendered obvious "supplying a liquid from a supply inlet onto an upper surface of the substrate held by the substrate-holding member so that the supplied liquid covers only a portion of the upper surface of the substrate held by the substrate-holding member; moving the substrate below the supply inlet; exposing the substrate by radiating an exposure light beam onto the substrate through the liquid covering the portion of the upper surface of the substrate; and measuring a temperature of the liquid supplied from the supply inlet," as recited in independent claim 74.

The exposure operation of Mori is performed in a dry environment. Therefore, Mori fails to disclose supplying a liquid from a supply inlet and thus fails to disclose "measuring a temperature of the liquid supplied from a supply inlet," as recited in independent claim 74. Lof fails to disclose measuring the temperature of the liquid and thus fails to remedy the deficiency of Mori. In addition, although Tabarelli discloses means 12 effecting a temperature increase or decrease depending on a measured temperature (see Tabarelli, col. 6, lines 40-42), Tabarelli fails to disclose where the temperature of the liquid is measured. Therefore, Tabarelli fails to disclose "measuring a temperature of the liquid supplied from an inlet," as recited in independent claim 74 and fails to remedy the deficiency of Mori and Lof. Accordingly, independent claim 74 is patentable over the references.

Dependent claims 2-8, 10, 31-33, 35, 44, 65, 68, 70-72, 75-83 and 85-93 depend from independent claims 1, 30, 74 and 84, respectively. Therefore, those dependent claims are patentable at least for their dependence from independent claims 1, 30, 74 and 84, as well as for

the additional features those claims recite. Accordingly, withdrawal of the rejections is respectfully requested.

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In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of the pending claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:

Request for Continued Examination  
Petition for Extension of Time  
Information Disclosure Statement

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